NASA TechTracS

Modification
Test Plan

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UPN Assignments (Mod 70)

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Test Plan

Overview

This test plan is designed to test the functions of Mod 70, UPN.

Setup

The use of a test data set with [Inventory] records related to [Technology] records. The test dataset can be run via standalone or client server. The client/server architecture is recommended.

Procedure

Runs the portion of the dealing with the Find, UPN Selection, and the Program Areas page on both Mac and Windows clients. Notes any discrepancies visually between the two platforms.

#	Test Procedure	Pass/Fail
	FACS	
1	Process a test FACS data update. Locate a [Contract_Grant] with related [Inventory] records. Relate to the [Inventory] table from [Contract_Grant]. Open a QuickReport. In the QuickReport, add a column for [Inventory] PY Obs + [Inventory] CY Obs. Add columns for substring([Inventory] Program_Number;1;5), [Program Code]PMC_Program, [Program Code]COG, [Program Code]Program Office, and ut_GetEnterprise([Program Code]Program Office). Sort by the all columns starting with the first. SUM the first column. Analyze the Program Number column and note the corresponding values in the first column. If the same 3 digit Program Number and corresponding first column values sum to more than 50% of the total of the first column, verify that the Program Number (UPN) is listed on the Program Areas page of the related [Contract_Grant] record. Otherwise, skip the next test and proceed to the 3 Digit UPN check.	
2	Verify that all other entries on the [Contract_Grant] Program Areas page are populated.	
3	Analyze the Program Number column and note the corresponding values in the first column. If the same 5 Digit UPN Program Number and corresponding first column values sum to more than 50% of the total of the first column, verify that the Program Number (UPN) is listed on the Program Areas page of the related [Contract_Grant] record. Otherwise, skip the next test and proceed to the PMC Program check.	
4	Verify that all other entries on the [Contract_Grant] Program Areas page are populated.	
5	Analyze the PMC Program column and note the corresponding values in the first column. If the same PMC Program and corresponding first column values sum to more than 50% of the total of the first column, verify that the PMC Program is listed on the Program Areas page of the related [Contract_Grant] record. Otherwise, skip the next test and proceed to the COG check.	
6	Verify that all other entries on the [Contract_Grant] Program Areas page are populated except Program Number and Program Number Type.	
7	Analyze the COG column and note the corresponding values in the first column. If the same COG and corresponding first column values sum to more than 50% of the total of the first column, verify that the COG is listed on the Program Areas page of the related [Contract_Grant] record. Otherwise, skip the next test and proceed to the Program Office check.	
8	Verify that all other entries on the [Contract_Grant] Program Areas page are populated except Program Number and Program Number Type.	

9	Analyze the Program Office column and note the corresponding values in the first column. If the same Program Office and corresponding first column values sum to more than 50% of the total of the first column, verify that the Program Office is listed on the Program Areas page of the related [Contract_Grant] record. Otherwise, skip the next test and proceed to the Enterprise check.	
10	Verify that all other entries on the [Contract_Grant] Program Areas page are populated except Program Number , Program Number Type, COG, and PMC Program.	
11	Analyze the Enterprise column and note the corresponding values in the first column. If the same Enterprise and corresponding first column values sum to more than 50% of the total of the first column, verify that the Enterprise is listed on the Program Areas page of the related [Contract_Grant] record. Otherwise, skip the next test and proceed.	
12	Verify that only the Enterprise and Program Office are populated.	
	eNTRe	
13	Prepare an NTR [Shadow] record and set it for the final stage of approval. Click the Accept button to cause the [Shadow] table eNTRe data to be converted into a [Technology] record. Verify that the appropriate [Tech Program Areas] records are created if they do not already exist.	
14	Verify that the [Tech Program Areas] Program_Number (UPN) field is populated if appropriate.	
15	Verify that the [Tech Program Areas] PMC_Program field is populated if appropriate.	
16	Verify that the [Tech Program Areas] COG field is populated if appropriate.	
17	Verify that the [Tech Program Areas] Program_Office field is populated if appropriate.	
18	Verify that the [Tech Program Areas] Enterprise field is populated if appropriate.	
19	Verify that the [Tech Program Areas] Program_Number_Type field is populated if appropriate.	
20	Verify that the [Tech Program Areas] Case_Number field is populated with the related [Technology] records case number.	
	Technology UPN Find	
21	From the [Technology] listing screen, select Find item from the from the Select menu or the Query popup. From the popup label "Select Technology records by", select the Program Area item. Verify the Program Area page of the [Technology] Find function is displayed.	

22	Verify the 3 Digit UPN radio button is selected and the adjacent entry field is enterable.	
23	Verify the 3 Digit UPN field accepts only 3 numbers.	
24	Verify the 3 Digit UPN field displays only 3 numbers.	
25	Enter a valid 3 Digit UPN in the entry field. Verify the entry is accepted and the adjacent description field is populated with the correct 3 Digit UPN description.	
26	Enter an invalid 3 Digit UPN. Verify that an error message is displayed, the field entry is cleared, and the adjacent 3 Digit UPN description field is cleared.	
27	Click the 5 Digit UPN radio button. Verify all other radio buttons are not selected and only the 5 Digit UPN entry field is enterable.	
28	Verify the 5 Digit UPN field accepts only 5 numbers with a dash after the 3rd number.	
29	Verify the 5 Digit UPN field displays only 5 numbers with a dash after the 3rd number.	
30	Enter a valid 5 Digit UPN in the entry field. Verify the entry is accepted and the adjacent description field is populated with the correct 5 Digit UPN description.	
31	Enter an invalid 5 Digit UPN. Verify that an error message is displayed, the field entry is cleared, and the adjacent 5 Digit UPN description field is cleared.	
32	Click the 7 Digit UPN radio button. Verify all other radio buttons are not selected and only the 7 Digit UPN entry field is enterable.	
33	Verify the 7 Digit UPN field accepts only 7 numbers with a dash after the 3rd and 5th numbers.	
34	Verify the 7 Digit UPN field displays only 7 numbers with a dash after the 3rd and 5th numbers.	
35	Enter a valid 7 Digit UPN in the entry field. Verify the entry is accepted and the adjacent description field is populated with the correct 7 Digit UPN description.	
36	Enter an invalid 7 Digit UPN. Verify that an error message is displayed, the field entry is cleared, and the adjacent 7 Digit UPN description field is cleared.	
37	Click the PMC Program radio button. Verify all other radio buttons are not selected and all enterable field are set not enterable.	
38	Verify that the PMC Program adjacent popup menu is populated with all PMC Program record descriptions.	

39	Click the COG radio button. Verify all other radio buttons are not selected and all enterable field are set not enterable.	
40	Verify that the COG adjacent popup menu is populated with all COG record descriptions.	
41	Click the Program Office radio button. Verify all other radio buttons are not selected and all enterable field are set not enterable.	
42	Verify that the Program Office adjacent popup menu is populated with all Program Office record descriptions.	
43	Click the Enterprise radio button. Verify all other radio buttons are not selected and all enterable field are set not enterable.	
44	Verify that the Enterprise adjacent popup menu is populated with all Enterprise record descriptions.	
45	Select an item from the PMC Program popup menu. Verify all other radio buttons are not selected and all enterable field are set not enterable.	
46	Select an item from the COG popup menu. Verify all other radio buttons are not selected and all enterable field are set not enterable.	
47	Select an item from the Program Office popup menu. Verify all other radio buttons are not selected and all enterable field are set not enterable.	
48	Select an item from the Enterprise popup menu. Verify all other radio buttons are not selected and all enterable field are set not enterable.	
49	Only the area with the selected radio button is used for the find. If a corresponding value is empty or not selected, the find is not performed. Verify that only the selected radio button corresponding value is used to search for [Technology] records.	
	Technology UPN Selector	
50	From the [Technology] listing screen, select the NTR View item from the View popup. Generate a selection of [Technology] records that have related [Inventory records]. Double-click a [Technology] record from the listing. Navigate to the second page, Program Areas. Verify the Program Area page of the [Technology] NTR View is displayed.	
51	Click the Add button in the Program Areas section. Verify the UPN selector dialog is displayed.	
52	Since related [Inventory] records are available, several 7 digit UPN records should be available. Verify that 7 Digit UPN records are displayed in the "Entry Option #2 - Select a 7 Digit UPN" section.	

53	In the "Entry Option#1 - Enter Appropriate UPN" section, verify the 7 Digit UPN radio button is selected by default and the adjacent entry area is enterable.	
54	If related [Inventory] records are available a selection of UPNs are displayed when the UPN selector dialog is opened, only the 7 Digit UPN entry field is enterable. Verify that the 3 and 5 Digit UPN radio buttons are disabled and the corresponding entry field are not enterable.	
55	If 7 Digit UPNs are displayed, the 7 Digit UPN entry field selects a UPN from the displayed list in the "Entry Option #2 - Select a 7 Digit UPN" section. Verify that a valid UPN entered into the 7 Digit UPN entry field selects a UPN from the list in the "Entry Option #2 - Select a 7 Digit UPN" section.	
56	Verify that a valid UPN not available in the UPN list generates an error message.	
57	Verify that an invalid UPN generates an error message and both the UPN and adjacent description field are cleared.	
58	Verify that the number of 7 Digit UPNs listed match the indicated total.	
59	Click the PMC Program tab. Verify related PMC Program record descriptions are displayed.	
60	Verify that the number of PMC Programs listed match the indicated total.	
61	Click the COG tab. Verify related COG record descriptions are displayed.	
62	Verify that the number of COGs listed match the indicated total.	
63	Click the Program Office tab. Verify related Program Office record descriptions are displayed.	
64	Verify that the number of Program Offices listed match the indicated total.	
65	Click the Enterprise tab. Verify related Enterprise record descriptions are displayed.	
66	Verify that the number of Enterprises listed match the indicated total.	
67	Click on the Enterprise tab. Select an Enterprise. Verify that related entries are generated in all other pages.	
68	Click on the Program Office tab. Select a Program Office. Verify that related entries are generated in all other pages.	
69	Click on the COG tab. Select a COG. Verify that related entries are generated in all other pages.	

70	Click on the PMC Program tab. Select a PMC Program. Verify that related entries are generated in all other pages.	
71	Click on the UPN tab. Select or enter manually a UPN in the list. Click on the PMC Program tab. Verify that all fields in the upper portion of the screen are populated.	
72	Verify that entries on all other pages have been reduced to one item.	
73	The fields at the told of the last 4 pages record the Program Area selections. If only one record is available in a section, it is automatically selected. Verify that single entries on any page are automatically selected.	
74	Verify that where multiple entries on a page are available, one of the entries is not automatically selected and displayed in the Program Area selections.	
75	Select an item from any list where multiple entries are available. Verify that entry is placed in the Program Area selections.	
76	Click an accept button on any page. Verify the entries from the Program Area selections are used to create a [Tech Program Areas] record.	
77	Verify the related [Tech Program Areas] record is displayed in the Program Areas section included area.	
78	Generate a selection of [Technology] records that do not have related [Inventory records]. Double-click a [Technology] record. Navigate to page 2, Program Areas. Click the Add button on the page. Verify that no 7 Digit UPNs are displayed in the "Entry Option #2 - Select a 7 Digit UPN" section.	
79	Click the PMC Program tab. Verify that all PMC Program records are displayed.	
80	Click the COG tab. Verify that all COG records are displayed.	
81	Click the Program Office tab. Verify that all Program Office records are displayed.	
82	Click the Enterprise tab. Verify that all Enterprise records are displayed.	
83	Click the UPN tab. In "Entry Option#1 - Enter Appropriate UPN" section, verify that the 3 and 5 Digit UPN radio buttons can be selected.	
84	Click the 3 Digit UPN radio button. Verify that the 5 and 7 Digit UPN radio buttons are not selected and corresponding entry fields are not enterable.	
85	Enter a valid 3 Digit UPN into the 3 Digit UPN entry field. Verify that the 3 Digit UPN description field is populated with the correct information.	

86	Enter an invalid 3 Digit UPN into the 3 Digit UPN entry field. Verify that an error is displayed and the 3 Digit UPN and description are cleared.	
87	Click the 5 Digit UPN radio button. Verify that the 3 and 7 Digit UPN radio buttons are not selected and corresponding entry fields are not enterable.	
88	Enter a valid 5 Digit UPN into the 5 Digit UPN entry field. Verify that the 5 Digit UPN description field is populated with the correct information.	
89	Enter an invalid 5 Digit UPN into the 3 Digit UPN entry field. Verify that an error is displayed and the 5 Digit UPN and description are cleared.	
90	Click the 7 Digit UPN radio button. Verify that the 3 and 5 Digit UPN radio buttons are not selected and corresponding entry fields are not enterable.	
91	Enter a valid 7 Digit UPN into the 7 Digit UPN entry field. Verify that the 7 Digit UPN description field is populated with the correct information.	
92	Enter an invalid 7 Digit UPN into the 7 Digit UPN entry field. Verify that an error is displayed and the 7 Digit UPN and description are cleared.	
93	When no related [Inventory] records are available, verify that entering a value in the 7 Digit UPN field does not select a value from the UPN list in the "Entry Option #2 - Select a 7 Digit UPN" section.	
	Technology, NTR View, Program Areas page	
94	Cancel or Accept the dialog. Verify that the correct number of related [Tech Program Area] records are listed in the Program Areas section.	
95	Highlight a record from the Program Area section. Click the Edit button. Verify a that a page is displayed that lists all the information of the current selection correctly.	
96	Verify that all of the fields are not enterable.	
97	Click the Cancel button. Highlight a record from the Program Areas section. Click the Delete button. Verify that a dialog is displayed asking if the selected record should be deleted.	
98	Click the OK button. Verify that the selected record was deleted from the list.	
99	Highlight a record from the Program Areas section. Click the Delete button. Click the Cancel button. Verify that the selected record was not deleted.	
100	**Mod 70 Conversion method**	

101	Run the Mod70Conversion on a data file that has not been converted for use on Mod 70. Verify that conversion completed sucessfully without an error.	
102	Verify that [Program Code]Type = "F" records were created.	
103	Verify that [Partnership Program Number]Type = "F" records were created.	
104	Verify that [Inventory]Program_Number_Type = "F" records were created.	
105	Verify that [Inventory]Program_Number_Type = "3" records were created when the [Inventory]Program_Number is a 3 digit number.	
106	Verify that [Inventory]Program_Number_Type = "5" records were created when the [Inventory]Program_Number is a 5 digit number.	
107	Verify that [Inventory]Program_Number_Type = "7" records were created when the [Inventory]Program_Number is a 7 digit number.	
108	Verify that [Tech Program Areas] records are created and populated.	
109	Verify that [Success Story Program Areas] are created and populated.	